

CLAIM AMENDMENTS

Claim 9.

Cancel claim 9.

Claim 10.

Cancel claim 10.

CLAIMS

Claim 1.

A polymer gel electrolyte separator for electrochemical devices which comprises:

- a polymeric matrix;
- an ionically conductive solid compound; and
- a liquid electrolyte containing at least one salt.

Claim 2.

A solid state separator for electrochemical devices which comprises:

- an ionically conductive solid compound;
- a polymeric binder; and
- a liquid electrolyte containing at least one salt.

Claim 3.

A polymer gel electrolyte separator for electrochemical devices which comprises:

- a polymeric matrix;
- a solid metal oxide;
- an ionically conductive solid compound; and
- a liquid electrolyte, containing at least one salt.

Claim 4.

A solid state separator for electrochemical devices which comprises:

- a solid metal oxide;
- an ionically conductive solid compound;
- a polymeric binder, and
- a liquid electrolyte, containing at least one salt.

Claim 5.

A polymer gel electrolyte separator as described in Claim 1 or 3, in which

said ionically conductive solid compound is selected from the group consisting of lithium fluoride, magnesium fluoride and sodium fluoride.

Claim 6.

A solid state separator as described in Claim 2 or 4, in which said ion-conductive solid compound is selected from the group consisting of lithium fluoride, magnesium fluoride and sodium fluoride.

Claim 7.

A separator as described in Claim 5, in which said fluorides are in the range of 10% to 85% by weight.

Claim 8.

A separator as described in Claim 6, in which said fluorides are in the range of 10% to 90% by weight.

Claim 9. (Cancelled).

Claim 10. (Cancelled).